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**Date:** December 1, 2005  
**TO:** Eric B. Kiss – United States Patent and Trademark Office  
**FAX NO.:** 571.273.3699  
**FROM:** James J. Pingor

In re patent application of:

Applicant(s): Gregory Lucius Meredith, *et al.*

Examiner: Eric B. Kiss

Serial No: 09/560,373

Art Unit: 2192

Filing Date: April 28, 2000

Title: MODEL FOR BUSINESS WORKFLOW PROCESSES

NUMBER OF PAGES TO FOLLOW: 7

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Dear Examiner Kiss:

Thank you for the opportunity to discuss this matter -- attached, please find proposed claim amendments in the above-referenced matter as well as the Applicant Initiated Interview Request Form (PTOL-413A (09-04)). I look forward to speaking with you on December 5, 2005, and to reaching agreement regarding these amendments. Thanks again for your time and consideration.

Best regards,

-Jamie.

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PTOL-413A (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

### Applicant Initiated Interview Request Form

Application No.: 09/560.373 First Named Applicant: Gregory Lucius Meredith  
Examiner: Eric B. Kiss Art Unit: 2192 Status of Application: Pending

**Tentative Participants:**

(1) Eric B. Kiss (2) James Pingor  
(3) Sunil Colaco (4) \_\_\_\_\_

Proposed Date of Interview: 12/05/2005 Proposed Time: 2 (AM/PM)

**Type of Interview Requested:**

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☒ NO

If yes, provide brief description: \_\_\_\_\_

### Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Rejections</u>	<u>1-22</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) <u>Rejections</u>	<u>28-33</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Continuation Sheet Attached					

**Brief Description of Arguments to be Presented:**

Clarification of Rejections Under 35 U.S.C. Section 112

An interview was conducted on the above-identified application on \_\_\_\_\_

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant's Representative Signature

James Pingor

Typed/Printed Name of Applicant or Representative

51,382

Registration Number, if applicable

Examiner/SPE Signature

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A computer-implemented method for facilitating long-running transactions of a business workflow process, comprising:
  - reducing a business process to a ~~SLANG~~ scheduling programming language written in XML;
  - dividing the reduced business process into at least one independent transaction and at least one parent interdependent transaction, the at least one parent interdependent transaction comprises two or more child interdependent transactions;
  - executing the at least one independent transaction independently from the at least one parent interdependent transaction to increase throughput and decrease latency of the business process, the at least one independent transaction commits upon successful execution;
  - executing the child interdependent transactions independently from each other, the at least one parent interdependent transaction commits when a last child interdependent transaction commits; and
  - transferring committed data associated with the at least one independent transaction and the at least one parent interdependent transaction to a computer component for further processing.
2. (Previously presented) The method of claim 1, the child interdependent transactions respectively include one or more actions, the one or more actions are concurrently executed independently from each other.
3. (Previously presented) The method of claim 2, respective child interdependent transactions commit when all of their associated actions are completed.

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4. (Previously presented) The method of claim 1, further comprising explicitly defining transaction boundaries for the at least one independent transaction and the child interdependent transactions as a function of a number of actions within the at least one independent transaction and the child interdependent transactions, respectively, in order to define a granularity at an action level.

5. (Previously presented) The method of claim 1, the child interdependent transactions are concurrently executed in isolation from each other.

6. (Previously presented) The method of claim 1, further comprising employing separate machines to execute the at least one independent transaction and the at least one parent interdependent transaction.

7. (Currently amended) A system that uses an XML-based programming language for facilitating implementation of business processes within a computer-readable medium, the components comprising:

a user interface component; and

a plurality of model components accessible through the user interface component, the plurality of model components allows a user to create a model of a business process and reduce the model *via* a ~~SLANG~~ the XML-based programming language, the plurality of model components comprises a distinguishing model component that distinguishes between concurrent autonomous business operations and concurrent interdependent business operations.

8. (Previously presented) The system of claim 7, further comprising a transaction grouping component that groups business operations into concurrent interdependent transactions.

9. (Previously presented) The system of claim 8, the transaction grouping component provides synchronization of concurrent interdependent transactions based on completion of the concurrent interdependent transactions.

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10. (Previously presented) The system of claim 7, further comprising an action grouping component that groups business operations into concurrent interdependent actions.
11. (Previously presented) The system of claim 10, the action grouping component provides synchronization of concurrent interdependent actions based on completion of the concurrent interdependent actions.
12. (Previously presented) The system of claim 7, the plurality of components further comprising at least one boundary establishing component that defines transaction boundaries.
13. (Previously presented) The system of claim 12, the at least one boundary establishing component includes a component that establishes concurrent operations.
14. (Previously presented) The system of claim 12, the at least one boundary establishing component includes a component for establishing sequential operations.
15. (Previously presented) The system of claim 12, further comprising a compensation component that compensates committed interdependent concurrent transactions and is invoked upon the occurrence of a failed interdependent concurrent transaction.
16. (Previously presented) The system of claim 15, the interdependent concurrent transactions are children transactions in a parent transaction, wherein the compensation component is invoked by the parent transaction.
17. (Previously presented) The system of claim 15, the compensation component calls compensation routines within the committed interdependent concurrent transactions.

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18. (Previously presented) The system of claim 15, the compensation component calls compensation routines within the failed interdependent concurrent transaction.

19. (Previously presented) The system of claim 18, the compensation routines utilize information within the committed interdependent concurrent transactions.

20. (Previously presented) The system of claim 15, the compensation component calls compensation routines within the failed interdependent concurrent transaction based on information on the committed interdependent concurrent transactions stored within a database.

21. (Previously presented) The system of claim 13, the computer readable medium resides on a computer system.

22. (Previously presented) The system of claim 7, the plurality of components further comprising a component that defines concurrent synchronizing constraints as occurring upon completion of the autonomous operations.

23-27. (Cancelled).

28. (Currently amended) A system that uses a SLANG scheduling programming language for representing business comprising:

means for distinguishing between synchronization of autonomous concurrent operations from interdependent concurrent operations, the autonomous concurrent operations and the interdependent concurrent operations are represented in a SLANG the scheduling programming language, the scheduling programming language based on XML;

means for expressing synchronization constraints on completion of autonomous concurrent operations; and

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means for allowing association of transaction operations and groups of business operations.

29. (Previously presented) The method of claim 1, further comprising failing the at least one parent interdependent transaction when at least one of its child interdependent transactions does not commit, and compensating the at least one failed child transaction.

30. (Previously presented) The method of claim 29, the at least one parent interdependent transaction invokes a compensation routine within the at least one failed child transaction that compensates the at least one failed child transaction.

31. (Previously presented) The method of claim 1, further comprising compensating the at least one independent transaction when at least one of the child interdependent transactions does not commit.

32. (Previously presented) The method of claim 1, further comprising compensating the at least one parent interdependent transaction when it does not commit and all of its child interdependent transactions commit.

33. (Previously presented) The method of claim 32, the at least one parent interdependent transaction invokes its own compensation routine.